

A
subjecting said quantity of potassium silicate to an ion exchange process to remove a first portion of potassium therefrom to produce a quantity of colloidal silica; and washing said quantity of colloidal silica with water in an ultrafiltration device to produce a quantity of high purity colloidal silica.

Spls. B16
A
8. (Once Amended) The method of Claim 1, wherein said ultrafiltration step includes the step of washing said colloidal silica with deionized water.

Spls. B18
B
18. (Once Amended) A method for producing high purity colloidal silica and a high purity potassium salt, said method comprising the steps of:
providing a quantity of potassium silicate;
subjecting said quantity of potassium silicate to an ion exchange process to remove a first portion of potassium therefrom to produce a quantity of colloidal silica and a potassium enriched ion exchange resin;

washing said quantity of colloidal silica with water in an ultrafiltration device to produce a quantity of high purity colloidal silica;

regenerating said potassium rich ion exchange resin with an acid to produce a potassium salt stream; and

subjecting said potassium salt stream to evaporation and crystallization to remove a portion of sodium therefrom to produce a quantity of high purity potassium salt.